Melart

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/556,359
Source:	PUT/10
Date Processed by STIC:	11/21/05

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RAW SEQUENCE LISTING DATE: 11/21/2005
PATENT APPLICATION: US/10/556,359
TIME: 14:59:04

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4 <110> APPLICANT: Fischetti, Vincent

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Nelson, Daniel
           Schuch, Raymond
   8 <120> TITLE OF INVENTION: Nucleic Acids and Polypeptides of C1
           Bacteriophage and Uses Thereof
  12 <130> FILE REFERENCE: 600-1-297PCT
-> 14 <140> CURRENT APPLICATION NUMBER: US/10/556,359
-> 14 <141> CURRENT FILING DATE: 2005-11-10
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  15 <151> PRIOR FILING DATE: 2003-05-15
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  19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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  22 <211> LENGTH: 173
  23 <212> TYPE: PRT
  24 <213> ORGANISM: Bacteriophage C1 polypeptide
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  29 Thr Leu Ala Leu Gly Val Asn Leu Leu Met Asp Lys Gly Asp Asn Asn
  30
                                     25
  31 Asn Val Asn Thr Asp Asn Thr Phe Asn Asn Ser Asn Pro Ile Val Gln
  33 Val Asp Asn Asn Ser Ser Glu Ala Thr Thr Ile Thr Ser Asp Thr
                             55
  35 Asn Asp Asn Gln Val Ala Ala Asp Asp Thr Asn Asp Thr Glu Gln Leu
                         70
  37 Asp Tyr Phe Gln Pro Tyr Glu Tyr Leu Tyr Met Pro Ser Thr Asn Val
                     85
                                         90
  39 Ser Ser Ile Arg Asp Gly Tyr Tyr Leu Val Ser Gly Gly Asn Thr Leu
                 100
  41 Ala Ala Val Gln Ile Thr Asn Gly Tyr Thr Thr Asp Glu Phe Arg Leu
  42
                                 120
  43 Lys Asn Ile Ser Ala Glu Gln Trp Thr Val Ser Gln Gln Gln Met Glu
                             135
  45 Asp Phe Val Tyr Trp Leu Arg Glu Val Ser Pro Ser Gly Tyr Asn Gln
                       150
  47 Lys Ser Leu Glu Asn Asn Phe Lys Ile Phe Ile Lys Lys
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  53 <212> TYPE: PRT
  54 <213> ORGANISM: Bacteriophage C1 polypeptide
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Input Set: A:\600-1-297PCT SEQ LIST.TXT Output Set: N:\CRF4\11212005\J556359.raw

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59 Lys Thr Gln Glu Met Glu Thr Asn Ser Arg Tyr Phe Glu Asp Lys Gln
61 Ala Ala Leu Asp Phe Phe Tyr Thr Leu Ala Asn Glu Gly Tyr Tyr Asp
   35
                               40
63 Trp Ala His Val Tyr Ser Asn Leu Glu Met Glu Ile Ile Leu
                           55
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68 <211> LENGTH: 178
69 <212> TYPE: PRT
70 <213> ORGANISM: Bacteriophage C1 polypeptide
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73 Met Lys Gln Thr Asn Ile Asp Ala Leu Phe Gly Lys Gly Asp His Gln
75 Leu Met Asn Lys Glu Ser Lys Tyr Leu Ser Thr Leu Phe Ile Asn Ile
77 Glu Glu Leu Ser Val His Leu Ser Ser Val Thr Leu Phe Ile Asp Glu
                               40
79 Tyr Glu Gln Leu Lys Glu Asn Ala Ile Lys Ser Lys Asn Gly Lys Cys
81 Leu Lys Leu Gly Asn Thr Leu Tyr Phe Thr Asn Asn Asn Tyr Ala Thr
                       70
                                           75
83 Lys Leu Tyr Asn Ser Leu Leu Ala Leu Gly Phe Asn Gly Ala Asn Ser
                                       90
85 Phe Ser Ser Gly Glu Gln Thr Tyr Val Ile Ser Leu Thr Gly Gly Asn
                                   105
               100
86
87 Ala Thr Leu Thr Thr Val Lys Thr His Tyr Gly Asp Val Lys Tyr His
           115
89 Tyr Lys His Glu Lys Leu Pro Val Lys Lys Ile Val Asn Asp Phe Trp
                           135
91 Leu Ser Glu Gln Glu Tyr Val Tyr Thr Asn Ser Ile Lys Leu Ala Tyr
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93 Ala Leu Leu Asp Leu Tyr Lys Thr Met Gly Tyr Ser Thr Leu Asn Thr
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                   165
95 Ile Lys
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 105
101 <212> TYPE: PRT
102 <213> ORGANISM: Bacteriophage C1 polypeptide
104 <400> SEQUENCE: 4
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107 Tyr Asn Lys Val Leu Lys Asn Gly Ala Ile Thr Ala Ser Met Ser Ala
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109 Ser Gln Lys Asp Val Lys Gly Glu Tyr Val Asp Glu Tyr His Asn Val
111 Thr Ile Pro Lys Lys Val Ala Asp Gln Ile Lys Pro Leu Ile Asn Thr
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Input Set: A:\600-1-297PCT SEQ LIST.TXT
Output Set: N:\CRF4\11212005\J556359.raw

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113 Glu Leu Cys Asp Ile Gln Gly Val Ile Ser Arg Asn Asp Lys Tyr Thr
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115 Asn Ile Thr Ile Leu Gly Ala Lys Lys His Val Lys Ala Glu Ala Val
117 Asp Val Ala Asp Glu Asp Leu Pro Phe
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122 <211> LENGTH: 207
123 <212> TYPE: PRT
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131 Tyr Gly Val Gly His Lys Tyr Thr Pro Lys Leu Ser Gln Thr Gln Gln
                                40
133 Lys Gln Ala Asp Phe Leu Lys Ser Ile Gly Gln Lys Phe Thr Asn Tyr
                           55
135 Gln Thr Val Thr Ile Asp Lys Thr Tyr Ser Lys Asn Gln Glu Leu Leu
                        70
137 Asp Thr Ala Asn Glu Ala Leu His Arg Leu Gly Ile Phe Phe Asp Gly
                   85
                                        90
139 Ser Glu Lys Ile Lys Leu Gln Gln Val Thr Asp Asp Leu Arg Tyr
                                   105
141 Ile Ile Asn Lys Leu Gln Pro Leu Leu Glu Ser Val Thr Met Arg Tyr
           115
                                120
143 Lys Lys Phe Leu Thr Asn Thr Tyr Arg Ser Asn Asn Arg Asp Tyr Arg
       130
145 Leu Asp Trp Leu Leu Lys Ser Ala Ile Ser Lys Lys Leu Lys Asn Ala
146 145
                        150
                                            155
147 Gln Thr Val Arg Gly Leu Val Val Ala Ile Asn Lys Met Asp Arg Asp
                                       170
149 Phe Lys Glu Tyr Asp Lys Lys Leu Arg Lys Ser Ser Lys Gln Gly Asn
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151 Pro Phe Gly Phe Val Val Lys Tyr Ser Glu Met Gly Leu Met
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163 Glu Glu Glu Phe Lys Thr Leu Leu Asn Asp Tyr Arg Lys Lys Tyr Leu
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165 Pro Ser Lys Tyr Asn Gln Leu Glu Leu Leu Asp Trp Leu Cys Ser Asp
166
           35
                               40
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Input Set : A:\600-1-297PCT SEQ LIST.TXT
Output Set: N:\CRF4\11212005\J556359.raw

167 Glu Ile Leu His Tyr Met Ser Ile Thr Ser Arg Gly Asp Gly Lys Ser 169 Phe Asn Tyr Ile Gly Ala Leu Ala Trp Leu Ser Tyr His Leu Asn Phe 70 75 171 Gly Thr Met Leu Leu Val Arg His Trp Ser Leu Met Asp Lys Met Ala 85 90 173 Glu Met Val Phe Glu Ile Ile Arg Thr Val Gly Met Phe Asp Ile Glu 100 105 175 Asn Val Gly Ile Gln Ala Lys Ala Asp Tyr Leu Thr Ile Thr Ile Glu 120 125 115 177 Gly Arg Glu Val Phe Ile Ile Thr Asn Leu Asn Asn Ala Ser Asp Leu 135 179 Lys Gln Ser Ser Ala Val Leu Arg Asn Tyr Pro Val Val Leu Tyr Asp 150 155 181 Glu Phe Leu Thr Leu Gly Glu Asp Tyr Val Thr Asn Glu Leu Ala Lys 165 170 183 Leu Gln Thr Ile Ile Lys Ser Ile Asp Arg Met Gly Lys Arg Pro Tyr 180 185 185 Ile Lys Arg Pro Lys Ile Ile Tyr Leu Gly Asn Pro Val Asn Phe Asp 200 195 187 Ser Pro Ile Leu Pro Ala Leu Asn Ile Phe Tyr Ala Leu Gln Asn Gln 215 220 189 Glu Ile Asn Thr Ile Gln Gln His Gly Lys Thr Ile Leu Glu Leu Arg 235 190 225 230 191 Arg Asn Asp Glu Val Asn Glu Glu Lys Thr Thr Gly Tyr Phe Glu Asp 245 250 193 Ser Val Asp Ser Asp Ile Thr Gly Glu Phe Asn Phe Ser Asn Tyr Arg 260 265 195 Leu Ala Asp Gln Gln Thr Tyr Asn Lys Ala Leu Thr Asn Gly Thr Leu 275 197 Tyr Lys Ile Arg Leu Glu Asp Lys Leu Ser Tyr Val Ile Leu Glu Ser 295 199 Asp Asn Glu Tyr Ile Leu Ser Ile Glu Glu Ser Lys Leu Asp Glu Asn 310 201 Tyr Cys Ile His Leu Lys Asp Glu Thr Ala Thr Cys Glu Tyr Leu Lys 330 325 203 Pro Ser Phe Tyr Lys Asp Ser Phe Ile Lys Arg Phe Gln Lys Gly His 340 345 205 Phe Asn Phe Lys Asp Ser Phe Ser Arg Thr Phe Ile Glu Gly Asn Glu 360 207 Asp Leu Gln Arg Leu Asn Phe Phe Lys Leu Asn Ala Val Ala Ser Thr 375 370 380 209 Asp His Glu Asp Ala Tyr Ala Asn Ile Val Arg Glu Ser Trp Ile Ser 390 210 385 211 Arg Leu Ala Lys Ile Tyr Glu Gln 212 215 <210> SEQ ID NO: 7 216 <211> LENGTH: 784 217 <212> TYPE: PRT

Input Set: A:\600-1-297PCT SEQ LIST.TXT Output Set: N:\CRF4\11212005\J556359.raw

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VERIFICATION SUMMARYDATE: 11/21/2005PATENT APPLICATION: US/10/556,359TIME: 14:59:05

Input Set: A:\600-1-297PCT SEQ LIST.TXT Output Set: N:\CRF4\11212005\J556359.raw

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14 M:271 C: Current Filing Date differs, Replaced Current Filing Date

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